



# Introduction

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This book describes the basic command-line interface (CLI) commands that can be used on different types of interfaces and hardware components that are supported by Cisco networking devices. The commands in this book can be used to enable an interface and to configure basic interface and hardware component features.

Two types of interfaces are supported: physical interfaces and virtual interfaces. The types of physical interfaces on a device depend upon the networking technology to which the device connects and upon the associated physical layer standards. The virtual interfaces that Cisco networking devices support include subinterfaces, loopback interfaces, virtual-access interfaces, and IP tunnels.

Commands in this book can be grouped into the following interfaces and hardware component types, which correspond to the interface and hardware component configuration tasks that are included in the Cisco IOS configuration guides:

- LAN interfaces
- Serial interfaces and controllers
- Logical or virtual interfaces
- Dialer and virtual-access interfaces
- Cisco Mainframe Channel Connection (CMCC) adapters
- ISDN interfaces and controllers

Other interface commands, specific to a particular technology area, are described in the technology-specific command references or installation guides. For example, for hardware technical descriptions and for information about installing the interfaces or hardware components, refer to the hardware installation and maintenance publication for your particular product.

